

Application No. 10/765,678
SD-7463

AMENDMENTS TO THE CLAIMS

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• Please amend the claims as follows:

1. (Currently Amended) An aqueous decontamination formulation for use in disinfection and sterilization, said formulation ~~comprising~~ consisting essentially of:

a reactive compound selected from the group consisting of nucleophilic compounds and oxidizing compounds;

a water-soluble bleaching activator selected from the group consisting of ~~short-chained organic compounds that contain an ester bond~~, ethylene glycol diacetate, propylene glycol monomethyl ether acetate, methyl acetate, diethylene glycol monoethyl ether acetate, glycerol acetate (monoacetin), glycerol diacetate (diacetin), glycerol triacetate (triacetin), acetylcholine chloride, 4-cyanobenzoic acid, propylene glycol diacetate, and combinations thereof;

an inorganic base; and
water.

~~wherein said formulation does not comprise a solubilizing compound selected from the group consisting of a cationic surfactant, a cationic hydrotrope, and a fatty alcohol comprising 8-20 carbon atoms.~~

2. (Currently Amended) The formulation of claim 1, ~~comprising~~ consisting essentially of (by weight percentage):

0.5-60 % reactive compound;

1-10 % bleaching activator;

3-30% inorganic base

~~0-10%~~ ethanol;

~~0-20 % freeze point depressant;~~ and

water (remainder).

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3. (Currently Amended) The formulation of claim 2, wherein:

said reactive compound comprises hydrogen peroxide;

said bleaching activator comprises glycerol diacetate or propylene glycol

diacetate; and

said inorganic base comprises potassium acetate; and

~~said freeze point depressant comprises propylene glycol .~~

4. (currently amended) ~~The formulation of claim 1, further comprising~~ An aqueous decontamination formulation for use in disinfection and sterilization, said formulation consisting essentially of:

a reactive compound selected from the group consisting of nucleophilic compounds and oxidizing compounds;

a water-soluble bleaching activator selected from the group consisting of

ethylene glycol diacetate, propylene glycol monomethyl ether acetate,

methyl acetate, diethylene glycol monoethyl ether acetate, glycerol

acetate (monoacetin), glycerol diacetate (diacetin), glycerol triacetate

(triacetin), acetylcholine chloride, 4-cyanobenzoic acid, propylene glycol

diacetate, and combinations thereof;

an inorganic base;

water; and

one or more sorbent additives selected from the group consisting of sodium

carbonate, sodium bicarbonate, potassium carbonate, potassium

bicarbonate, calcium carbonate, potassium silicate, precipitated silicates,

percarbonates, amorphous silica, fumed silica, sodium citrate, dendritic salt

(sea salt), citric acid, polyethylene glycol, PEG 8000, urea, and polyols.

5. (original) The formulation of claim 4, wherein said sorbent additive comprises one or more polyol compounds selected from the group consisting of sorbitol, mannitol,

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hydrogenated starch hydrolysates (HSH), maltitol, zylitol, lactitol monohydrate, anhydrous isomalt, erythritol, and polydextrose.

6. (Currently Amended) An aqueous decontamination formulation for use in neutralization of a toxant, said formulation ~~comprising~~ consisting essentially of (by weight percentage):

0.5-60 % hydrogen peroxide;

1-10 % glycerol diacetate or propylene glycol diacetate;

3-10% potassium carbonate;

~~0-10% ethanol;~~ and

water (remainder);

~~wherein said formulation does not comprise a solubilizing compound selected from the group consisting of a cationic surfactant, a cationic hydrotrope, and a fatty alcohol comprising 8-20 carbon atoms.~~

7. (Currently Amended) An aqueous decontamination formulation for use in neutralization of a toxant, said formulation ~~comprising~~ consisting essentially of (by weight percentage):

0.5-60 % hydrogen peroxide;

1-10 % glycerol diacetate or propylene glycol diacetate;

~~0-5% benzalkonium chloride;~~

5-30% potassium acetate;

~~0-20% propylene glycol;~~ and

water (remainder);

~~wherein said formulation comprises no amount of a carbonate or bicarbonate salt.~~

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29. (Previously Presented) The formulation of claim 1, wherein the inorganic base is selected from the group consisting of potassium carbonate, potassium bicarbonate, potassium hydroxide, potassium sulfate, potassium phosphate (dibasic or tribasic), potassium borate, potassium tetraborate, potassium acetate, sodium carbonate, sodium bicarbonate, sodium hydroxide, sodium sulfate, sodium phosphate (dibasic or tribasic), sodium borate, sodium acetate, ammonium carbonate, ammonium bicarbonate, ammonium hydroxide, ammonium sulfate, ammonium phosphate (dibasic or tribasic), ammonium borate, ammonium acetate, calcium carbonate, calcium bicarbonate, calcium hydroxide, calcium sulfate, calcium phosphate (dibasic or tribasic), calcium borate, calcium acetate, magnesium carbonate, magnesium bicarbonate, magnesium hydroxide, magnesium sulfate, magnesium phosphate (dibasic or tribasic), magnesium borate, magnesium acetate, sodium percarbonate, ammonium hydrogen bicarbonate and lithium bicarbonate, and combinations thereof.